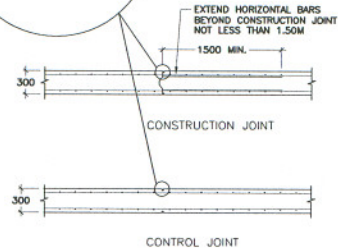
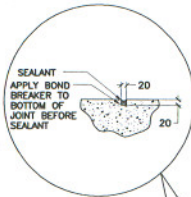
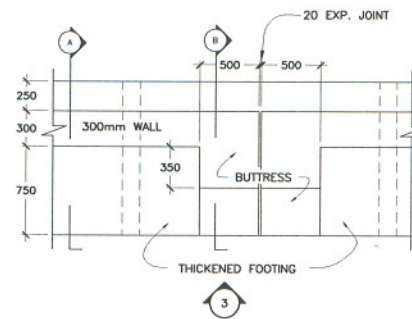


GENERAL NOTES:

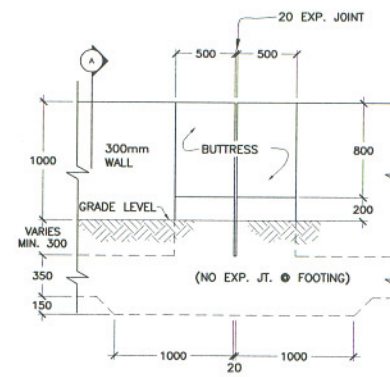
- Concrete shall have a minimum compressive strength of 25 MPa at 28 days, based on cylinders made per ASTM C31 from molds conforming to ASTM 470 and tested in accordance with ASTM C39.
- Reinforcing steel shall comply with ASTM A615M, Grade 420.
- The design shown provides the minimum requirements based on the anti-ram criteria. The engineer shall modify the knee wall and foundation design to account for local wind, seismic, frost, and subsurface conditions.
- Control joint spacing shall not exceed 5 meters in horizontal distance.
- Expansion joint spacing shall not exceed 20 meters in horizontal distance.
- Provide 100mm diameter weep holes into knee wall as required to avoid water ponding. The lower end of the weep hole should be minimum 50mm above the finish grade.
- Footing subgrades shall consist of undisturbed natural soil, or new compacted fill, with a minimum allowable soil bearing pressure of 75kPa. The actual suitability of footing subgrade soil shall be evaluated by a qualified geotechnical engineer during construction.
- All backfill shall consist of low plasticity granular soil, compacted to at least 90% of the maximum dry density per ASTM D-1557, modified Proctor.
- If the grade elevation at attack side is more than 300mm higher than the protected side, the wall must be redesigned and approved by DS.
- All dimensions are in millimeter (mm) unless otherwise noted.



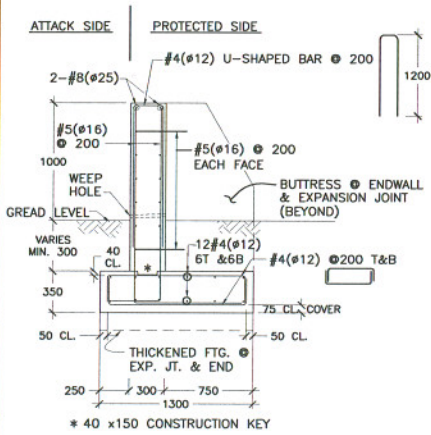
1 JOINT DETAILS
NTS



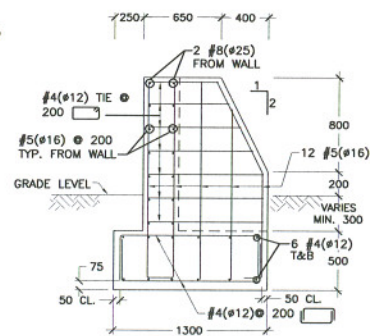
2 WALL PLAN
1:20



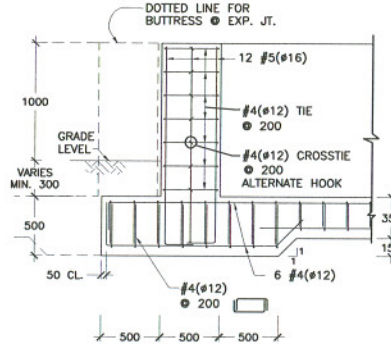
3 WALL ELEVATION
1:20



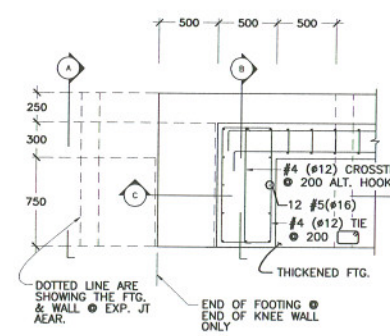
A SECTION
1:20



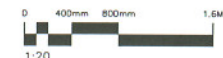
B SECTION
1:20



C SECTION
1:20



D REINFORCING PLAN
1:20



United States Department of State
OVERSEAS BUILDINGS OPERATIONS
Washington, D.C.

STANDARD PERIMETER DETAILS for TYPE DS-50

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U.S. Department of State
WFO
Washington, DC 20520

Rev Number Description Date

Release for Construction

08/01/04

Drawing Title ONE (1) METER HIGH ANTI-RAM WALL TYPE DS-50

080 Project Number Phase

AS01 Drawing Scale ASSHOWN

0801 Date Plot Scale 1:1

0801 Date 6/7/2004

0801 Sheet Number

0801 Drawn By BAC

0801 Checked By PK

0801 Project Number

0801 Classification

0801 SENSITIVE BUT UNCLASSIFIED

CSB
S-1